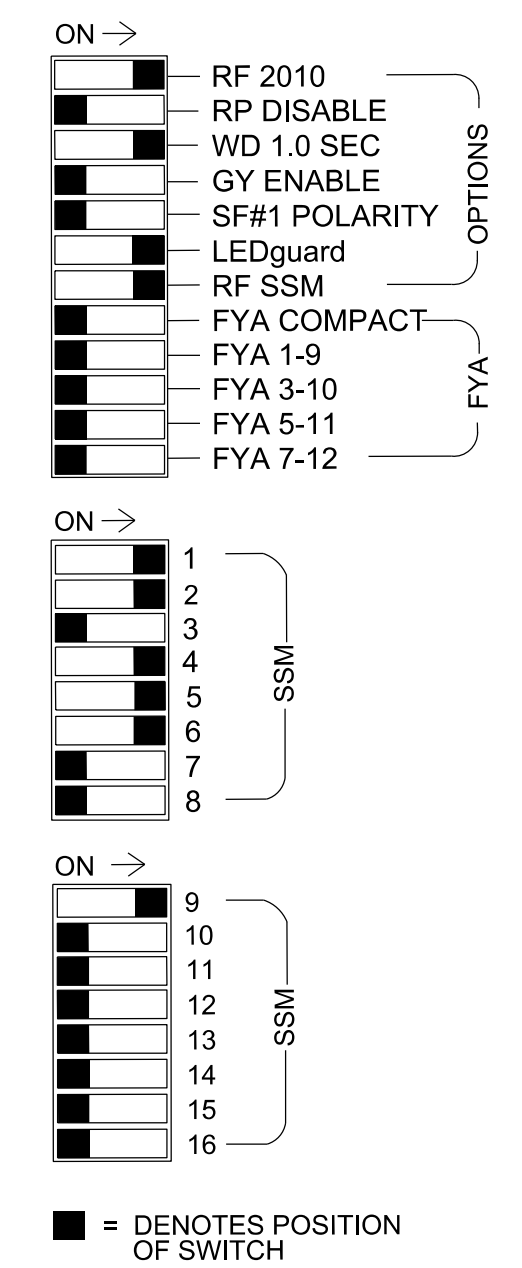
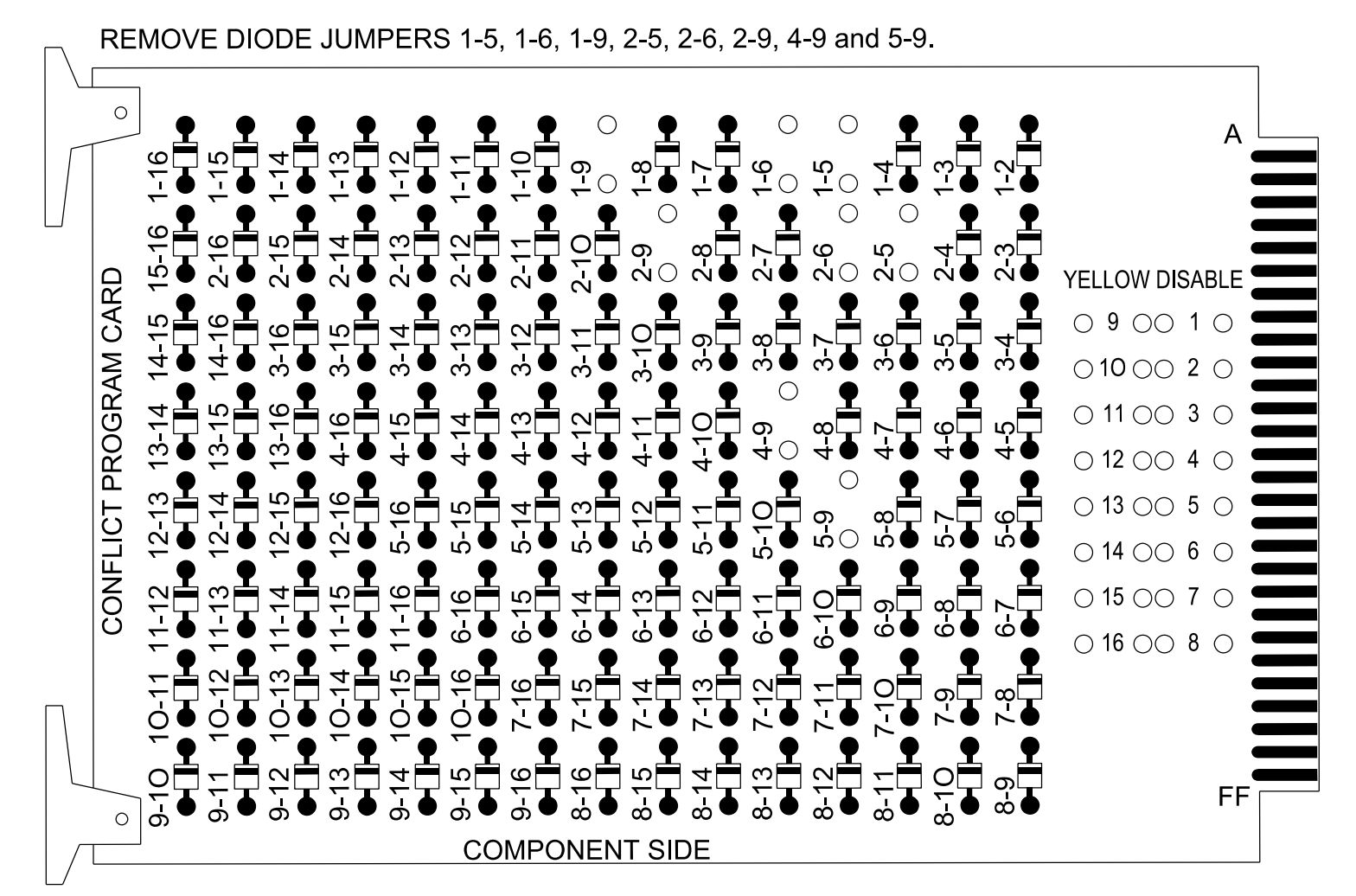


**16 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)



- NOTES:**
- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
  - Make sure jumpers SEL2-SEL5 are present on the monitor board.

**NOTES**

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 3,7, 8,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2 and 6 for Yellow Flash.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

**SIGNAL HEAD HOOK-UP CHART**

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	21,22	NU	NU	41,42	NU	51	61,62	NU	NU	NU	NU	43,44	NU	NU	NU	NU	NU
RED		128			101			134					A121					
YELLOW		129						135										
GREEN		130						136										
RED ARROW	125							131										
YELLOW ARROW	126				102	132							A122					
GREEN ARROW	127				103	133							A123					

NU = Not Used  
FLASH NOTE: rewire OLA to flash on Flasher Unit #2, Circuit #2.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070  
CABINET.....332 W/ AUX OUTPUT FILE  
SOFTWARE.....ECONOLITE OASIS  
CABINET MOUNT.....BASE  
OUTPUT FILE POSITIONS...18 (12-STD, 6-AUX)  
LOAD SWITCHES USED.....S1,S2,S4,S5,S6,S9  
PHASES USED.....1,2,4,5,6  
OVERLAP A.....4+5  
OVERLAP B.....NOT USED  
OVERLAP C.....NOT USED  
OVERLAP D.....NOT USED

**OVERLAP PROGRAMMING DETAIL**

(program controller as shown below)

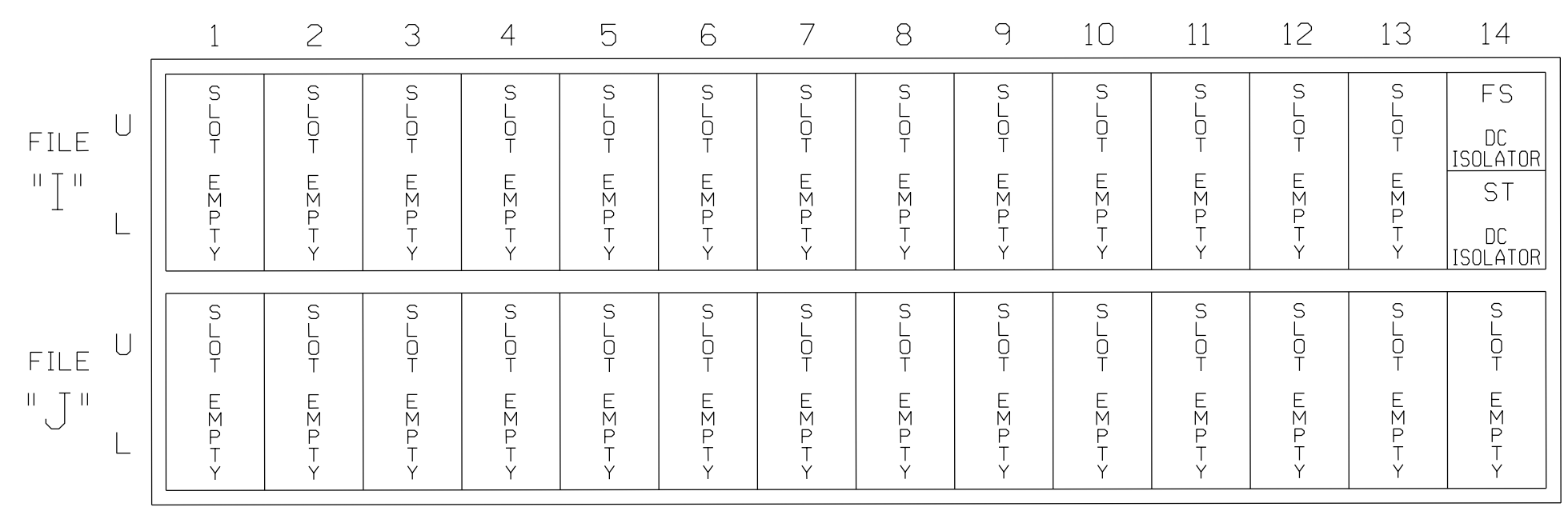
FROM MAIN MENU PRESS '8' (OVERLAPS), THEN '1' (VEHICLE OVERLAP SETTINGS).

PAGE 1: VEHICLE OVERLAP 'A' SETTINGS  
PHASE: :12345678910111213141516  
VEH OVL PARENTS: : XX  
VEH OVL NOT VEH: :  
VEH OVL NOT PED: :  
VEH OVL GRN EXT: :  
STARTUP COLOR: - RED - YELLOW - GREEN  
FLASH COLORS: - RED - YELLOW - GREEN  
SELECT VEHICLE OVERLAP OPTIONS: (Y/N)  
FLASH YELLOW IN CONTROLLER FLASH?...N  
GREEN EXTENSION (0-255 SEC).....0  
YELLOW CLEAR (0=PARENT,3-25.5 SEC)..0.0  
RED CLEAR (0=PARENT,0.1-25.5 SEC)..0.0  
OUTPUT AS PHASE # (0=NONE, 1-16)....0

OVERLAP PROGRAMMING COMPLETE

**INPUT FILE POSITION LAYOUT**

(front view)



EX.: 1A, 2A, ETC. = LOOP NO.'S  
FS = FLASH SENSE  
ST = STOP TIME  
⊗ Wired Input - Do not populate slot with detector card

**SPECIAL DETECTOR NOTE**

Install a video detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN:11-0944T2  
DESIGNED: May 2023  
SEALED: 5/26/2023  
REVISED: N/A



Temporary Installation -Electrical Detail 1 of 1 (Phase 1)

**ELECTRICAL AND PROGRAMMING DETAILS FOR:**

Us 421 Business at Curtis Bridge Road

Division 11 Wilkes County Wilkesboro

PLAN DATE: May 2023 REVIEWED BY: M. Stygles  
PREPARED BY: S.R. Chiluka REVIEWED BY: J. Ma

750 N.Greenfield Pkwy, Garner, NC 27529

DocuSigned by: M. Stygles 5/26/2023

SIG. INVENTORY NO. 11-0944T2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

